

FOLIO

UNIVERSITY OF ALBERTA
24 MARCH 1995



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James Shaw named 1995 Canadian Business Leader

Faculty of Business hosts 'teddy bear picnic' of the year

By Sandra Halme

Some might not associate teddy bears with cable television and broadcasting mogul James R Shaw but after the Canadian Business Leadership Dinner on 21 March, none of the 600-plus guests left with any doubt that teddy bears play a role in his life and success.

Each person who attended the gala evening, during which Shaw was presented with the 1995 Canadian Business Leader Award, left with a teddy bear tucked under their arm. The significance of the cuddly piece of fluff was to represent the teddy bear campaign initiative of Shaw. The concept involves donating teddy bears to such places as shelters, fire stations and police stations (those areas that encounter children under stress) where the teddy bears can be given to children in hopes of calming their fears. The only stipulation for those who left the Leadership dinner accompanied by a furry friend was that they pass it along when they meet a child in need.

Shaw is President and Chairman of the Board of Shaw Communications Inc (SCI), Canada's second largest cable television operation. In accepting the award, he shared some of his secrets of success, emphasizing that "motivation, hard work, personal standards, treating others as you wish to be treated, and finding a balance between work and one's personal life" are the major keys to success. He pointed out

that although "motivation is the starting point for a business leader," a person must also have the values and principles to support it.

Referring to the building of SCI, Shaw urged the audience to "put the customer first ... without the customer there is no business and there can be no employees." He also encouraged everyone to "learn customer loyalty and put customers' interest ahead of your own."

Shaw has spearheaded a drive to expand his operations and when recent acquisitions are finalized, SCI will serve more than 1.5 million homes in six provinces. As well, the company will hold interests in the programming services YTV and CPAC, and cable systems in the UK. SCI owns nine radio stations in Alberta, British Columbia and Ontario and is also active in developing business ventures such as digital music services.

Active in numerous community organizations, Shaw is Chairman of the Board of Governors of NAIT, a member of the University's President's Council and of the President's Circle of the Edmonton Art Gallery. He also serves as director and president of the Shaw Family Foundation, a philanthropic organization established in 1970 by his father, Francis E Shaw.

He has served as director of the Canadian Cable Television Association (CCTA), was named to CCTA's Honor List, and re-



Bill Brennan

Quick to congratulate James Shaw, Canadian Business Leader Award recipient, second from right, were, from left, President Rod Fraser, Premier Ralph Klein and Dean of Business Rodney Schneck.

ceived the Ted Rogers, Sr.-Velma Graham Award and the Entrepreneur of the Year Award. In 1993, he was inducted into the Business Hall of Fame by Junior Achievement of Northern Alberta and received an honorary Doctor of Laws degree from the University (he has also received an honorary LLD from Graceland College in Lamoni, Iowa).

Established in 1982, the Canadian Business Leader Award is presented annually by the Faculty of Business to an individual who has achieved eminence in their field of endeavour and community. Two past recipients, the inaugural recipient, Francis Winspear, and last year's recipient, Richard Haskayne, as well as Premier Ralph Klein, were among those on hand to congratulate Shaw.



Ian Keade

Bears bullish on national titles

The national university sport spotlight again illuminated the University of Alberta Golden Bears when they roared to their second consecutive national basketball title last weekend. A wildcard entry into the Canadian Interuniversity Athletic Union nationals, the Bears capped their ruling of the hardwood with a resounding 84-66 win over the Concordia Stingers.

Engineering students navigating World Wide Web

By Michael Robb

Computer engineering students enrolled this term in Computer Engineering 313, Software Engineering, can now find the course on the World Wide Web.

"When we decided to do this we knew there'd be deficiencies," says Computer Engineering Professor Werner Joerg. "But we took the risk."

Students can now sign on to the World Wide Web, a set of connections that organizes the Internet, and get access to Computer Engineering 313 course materials, ask questions of the instructor and review materials—all with the aid of user-friendly computer navigation tools.

Continued on page 2

Folio changes publication schedule

Beginning 7 April, *Folio* will publish every two weeks during the academic year.

With decreased resources and increasing paper and production costs, the Office of Public Affairs has elected to reduce the number of issues of *Folio* from 34 to 20 per year, much the same as its sister publications at UBC, McGill and the University of Toronto.

The number of pages per issue will rise from eight to at least 12.

Just as the University of Alberta aspires to become the "leading Canadian university in a select number of teaching and research areas", *Folio* aspires to become one of the leading Canadian university newspapers. In fact, we have set that as a goal.

The change in the number of issues means more time for story and series development, research, interviewing, writing and editing. The result, we believe, will be a publication in which those who produce it, and those who read it, can take increased pride.

Folio welcomes your thoughts and comments on this initiative or on any other matters pertaining to the publication.

It's really a move towards more self-directed learning, Dr Joerg says. The same number of lectures are still provided and there's still a text for the course. "We didn't want to break totally from tradition."

The course is being taught by Dr Joerg in 231 Electrical Engineering Building, a room equipped with sophisticated audio-visual equipment and connected to the Internet. The software was written with the aid of hyper text markup language plus, explains Dr Joerg. For every hour of presentation material, Dr Joerg spent between 15 and 20 hours of development time. The material, which consists of about 700 files and four megabytes of data, covers about two-thirds of the course.

The course covers the software lifecycle, the design process, properties of quality software, requirements analysis and software specification techniques. Dr Joerg has taught the course since 1987. It's a mandatory course for students majoring in computer engineering.

Faculty of Extension alternative delivery specialist Terry Anderson is conducting an E-mail survey with the 38 students enrolled in the course to determine what they liked and disliked about it. The students will be asked about quality, access, usefulness, perceived value and navigation.

Two problems have emerged, says Dr Joerg. First, students feel overloaded and don't explore the course notes extensively. And second, access to the Internet is limited. Demand is exploding, says Anderson, and putting a real strain on the University's modem pool.

FOLIO

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Public Affairs produces *Folio* on a regular basis for employees and volunteers at the University of Alberta.

Folio's mandate is to serve as a credible news source internal audiences by communication accurate and timely information about issues, programs, people and events.

DEADLINES:

Notice of coming events: 9 am three weeks in advance of event. Classified advertisements: 3 pm one week before desired publication date. This date also serves as the deadline for cancellation of advertisements.

Advertisements cost 40 cents per word with no discount for subsequent insertions. There is a limit of 40 words and a minimum charge of \$2.00. Advertisements cannot be accepted over the telephone. All advertisements must be paid for in full at the time of their submission.

Display advertisements: 3 pm Friday, seven days before desired publication date. Camera-ready artwork is required to size, complete with halftones if necessary. Call 492-0436 for sizes, rates and other particulars.

The editor reserves the right to limit, select, edit and position submitted copy and advertisements. Views expressed in *Folio* do not necessarily reflect University policy. *Folio* contents may be printed with acknowledgment.

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**University
of
Alberta**

How far away should we be in the event of a toxic gas leak?

Professor's research helping industry and regulators decide

By Michael Robb

Safety regulators are a cautious bunch by nature. After all, when human lives are at stake, it's better to err on the side of caution. Right?

Well, yes, says a Mechanical Engineering Professor, but computer models based on worst-case scenarios just aren't in sync with common sense experience.

Yet, knowing this, industry still designs its facilities in an overly—yet needlessly—cautious way. That's costly, David Wilson points out. The consequences? Land is unnecessarily tied up and costs are unnecessarily passed on to consumers.

The issue is becoming increasingly important as more and more residential areas are developed closer to industrial sites.

Current regulations are based on models that don't consider the effects buildings have on dispersing hazardous gases. "The methods used now try to capture the variability in the atmosphere, but they don't try to capture how complicated a release site is. If you run a computer model to predict how hazardous a release is at an oil refinery, the computer software basically buries all the buildings and simulates them by putting a little extra turbulence in the air."

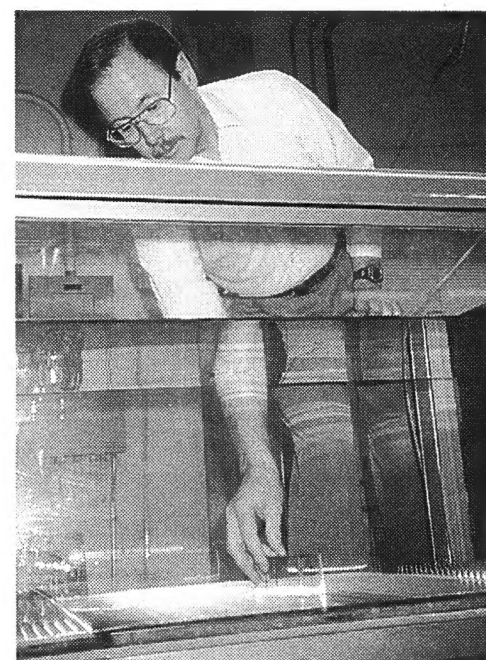
Dr Wilson and his graduate students are using laboratory flow simulations around model buildings to determine how accidental

releases of toxic and flammable gases disperse in the atmosphere. The water channel flow simulations use digitally enhanced video images of fluorescent dye plumes illuminated by laser beams and thin laser-generated sheets of light.

So far, Dr Wilson and his colleagues have found that buildings do in fact increase dilution, reducing concentrations of hazardous gases by a factor of three as a toxic gas plume on the ground strikes the upwind wall of a building and is carried around it into its turbulent wake.

Dr Wilson, a long-time advisor to the Energy Conservation Resources Board (now called the Alberta Energy and Utilities Board), is hopeful the team's findings will form the basis upon which updated, sound regulations will be developed. His work is supported by the Natural Sciences and Engineering Research Council, the Canadian Gas Processors Association and Alberta Occupational Health and Safety.

He has developed operational models for predicting the effects of toxic gas releases in industrial accidents, and his computer software package, SHELTER/EXPOSURE, is used to plan for emergency response and indoor sheltering. It has been requested by 60 organizations in North and South America and Europe.



Mechanical Engineering Professor David Wilson uses digitally enhanced video images of fluorescent dye plumes to determine how buildings enhance the dilution of toxic and flammable gases.

Expert on dinosaurs does double duty

By Folio staff

Following a good night's sleep in different surroundings (he's from the University of Pennsylvania), Peter Dodson is ready to return to the podium.

A professor of anatomy and scientific consultant to the PBS series "The Dinosaurs," Dr Dodson gave the annual Sigma Xi lecture at the Faculty Club last night ("Gone but Not Forgotten—The Disappearance of the Dinosaurs"). This afternoon at 4, he'll be speaking in 3-27 Earth Sciences Building ("Hot or Cold Running Dinosaurs: Metabolism and Migration").

The two talks mark Dr Dodson's return

to his alma mater (he earned an MSc in geology here 25 years ago). After graduating from Yale University (PhD, 1974), he continued to compile academic credentials, for example, adjunct professor at the Wagner Free Institute of Science, research associate at the Academy of Natural Sciences, visiting scientist with the National Museum of Canada and visiting associate professor at the Université Paris VII.

Dr Dodson's visit was arranged by the 100-member U of A chapter of Sigma Xi, a worldwide organization that promotes scientific enquiry and activity.

CASE Canadian Professor of the Year

The University of Alberta received its first CASE (Council for Advancement and Support of Education) Canadian Professor of the Year Award in 1994 as Dr Jim Vargo (Rehabilitation Medicine) was selected for the honour. The University may nominate three professors. If more than three are nominated the Vice-President (Academic)'s

office will make the final selection. To allow for sufficient time for this deliberation and to arrange for the entry fee (\$50/entry which will come from the budget of the VP (Academic)), each nomination package should reach University Teaching Services, 215 Central Academic Building, no later than noon, Wednesday, 19 April.

SELECTION COMMITTEE FOR DEAN, FACULTY OF PHYSICAL EDUCATION AND RECREATION

A Selection Committee for Dean of the Faculty of Physical Education and Recreation is being established.

The GFC Nominating Committee requires for this committee *one (1) academic staff representative from Category A1.0, from outside the Faculty concerned, elected by GFC*. For staff category definitions, see Section 5 of the GFC Policy manual. In brief, Category A1.0 includes full-time, continuing faculty (tenure-track and soft-tenure-track), Administrative Professional Officers, Faculty Service Officers, and Librarians. If you have any questions regarding the categories of staff and/or eligibility to serve on this committee, contact V Pemberton-Pigott, Coordinator, GFC Nominating Committee, 2-5 University Hall, 492-1938.

If you wish to submit a nomination, please forward a letter of nomination and brief biographical sketch to Ms Pemberton-Pigott at the above-noted address by 3 April.

CURRENTS

Bookstore schedules inventory

The University Bookstores in the Students' Union Building and the Walter MacKenzie Health Sciences Centre will be closed for year-end inventory beginning at 5 pm Wednesday, 29 March. The stores will reopen on Monday, 3 April.

The University Bookstore in the Extension Centre will also be closed for inventory, this for the period 29 March at 5 pm to Saturday, 1 April.

Stephen Lewis addressing symposium

Human rights advocate Stephen Lewis will present "Ethics and Journalism - How Dissonant Can You Get?" at the Walking the Line Symposium, 31 March, 9:30 am-4 pm in the Lister Hall Banquet Room. The symposium also includes a panel discussion with Linda Goyette, editorial writer for *The Edmonton Journal*, Gillian Steward, former managing editor of the *Calgary Herald*, and a representative from CBC, and a number of seminars. Tickets are \$30 in advance or \$35 at the door. Call St. Stephen's College, 439-7311, for further information.

Presbyterian Chaplaincy helps roll back the clock

"Walk through the history of Fort Edmonton with Alex Mair (local historian, author and entertainer), Ron Johnston (director of period music) and Fort Edmonton Volunteers (in historic costume)." That's what the U of A Presbyterian Chaplaincy invites people to do next Friday (31 March) at 6:30 pm at the Faculty Club. Tickets are \$25 per person for dinner and entertainment, and can be obtained from Pauline Grant at 492-7524.

UNICEF sales table

UNICEF Edmonton will have cards and gifts on sale at the U of A Hospitals (main lobby) 27 and 28 March.

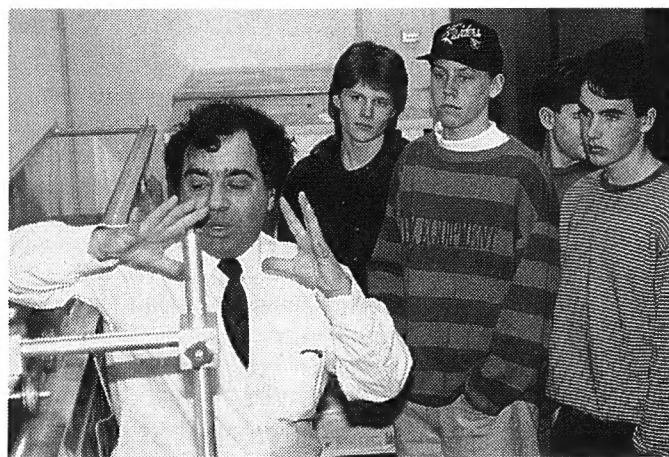
Masliyah prominent in applied and basic research circles

By Michael Robb

Developing efficient ways of extracting bitumen from Alberta's oil sands has been a long-standing research interest of Chemical Engineering Professor Jacob Masliyah. In fact, many of his colleagues in academe and in industry credit the University of Alberta researcher with the development of more efficient methods of extracting bitumen.

"The successes we have achieved in the development of new extraction and froth treatment processes are due in no small part to the high quality and thoroughness of the work done by Dr Masliyah," says Syncrude Canada Ltd research associate WE Shelfantook.

But while Dr Masliyah—a recipient of the 1995 J Gordin Kaplan Award for Excellence in Research—has rolled up his sleeves to help tackle a major industrial challenge, he's also devoted a great deal of energy to more basic research work. "Through his work, he clearly demonstrates the unbreakable linkage between fundamental and applied research," says Acting Dean of Engineering David Lynch.



Jacob Masliyah, Professor of Chemical Engineering, gets the best out of students and out of Alberta's oil sands.

According to Department of Chemical Engineering Chair Sieghard Wanke, Dr Masliyah's research has had a large impact on the industrial world.

"However, his research is not only applied. It is an excellent blend of fundamental and applied research, and most of his industrial research contribution had its origins in his fundamental work."

During his career, Dr Masliyah has published well over 100 refereed journal articles related to his fundamental research in fluid mechanics. More recently, he's completed a book entitled *Electrokinetic Transport Phenomena*, published by Alberta Oil Sands Technology and Research Authority (AOSTRA).

Support for Dr Masliyah's work has been substantial: Over the past six years he has received more than \$1 million in research funding, including NSERC strategic and operating grants, and grants from AOSTRA, Syncrude Canada and Alberta Coal Research.

Dr Masliyah has been awarded an NSERC Senior Industrial Fellowship, 1984-85; a McCalla Research Professorship, 1991-92; a Killam Annual Professorship, 1991-92; a 1992 CSChE Award in Industrial Practice; the 1992 Jules Stachiewicz Medal; and the 1993 ASTech Award for Innovations in Oil Sands Research.

Dr Masliyah has been awarded an NSERC Senior Industrial Fellowship, 1984-85; a McCalla Research Professorship, 1991-92; a Killam Annual Professorship, 1991-92; a 1992 CSChE Award in Industrial Practice; the 1992 Jules Stachiewicz Medal; and the 1993 ASTech Award for Innovations in Oil Sands Research.

Kaplan Award recipients Jacob Masliyah and Doug Oram will be honoured at a ceremony 28 March in 2-115 Education North. The starting time is 4 pm.

Dr Masliyah (Chemical Engineering) will deliver a talk entitled "Applied Research on Alberta Oil Sands: A Personal Perspective." Dr Oram (History and Classics) will then address the topic, "Is There Canadian History."

Everyone is welcome to attend the ceremony. A reception will follow.

Owram admired for 'history' of quality research

By Elsa Roehr

Professor Douglas Owram is unquestionably among the top dozen intellectual leaders of his age cohort in the humanities and social sciences in

Canada." That's how University of British Columbia political scientist Allan Cairns sees the University of Alberta History Professor.

That Dr Owram should attract the admiration of those outside his discipline is a testament to the range, quality and appeal of his research. That record of quality was recognized with the 1995 J Gordin Kaplan Award for Excellence in Research.

"It is the highest award I could receive at the University," says Dr Owram. "It is tremendous recognition from the University where I have built my career."

The breadth and depth of Dr Owram's research command as much respect as its impressive volume and undisputed quality. Taken together, they are indicators of an active mind forever exploring new directions and possibilities.

Dr Owram has enthusiastically explored opportunities in economic, institutional and social history. But he has always been especially fascinated by the intellectual history—the history of ideas. "Ideas matter in history," he says. "Popular opinion forms social history."

A natural outcome of this diversity is the sheer quantity of Dr Owram's publications. "I became a historian to write," he says simply.

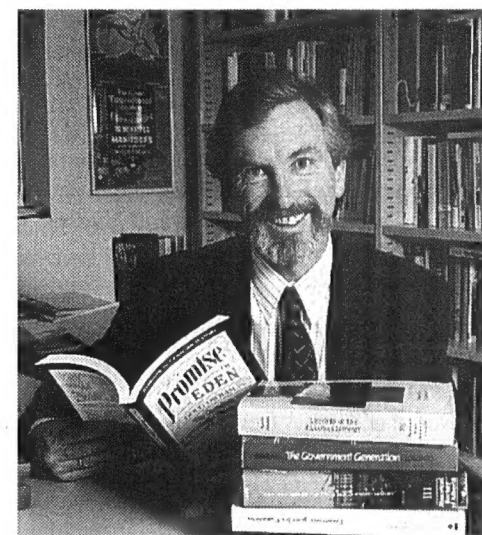
With six authored and two edited books, 14 articles, 35 book reviews; and with six papers published since 1989; Dr

Owram is prolific. His latest work, a study of the impact of the baby boom generation that was featured in the Fall 1994 issue of *Spectrum*, is almost completed.

This range, quantity and quality are even more impressive given Dr Owram's heavy teaching and administrative duties. Currently, he supervises 11 graduate students; another nine have completed their theses under his supervision.

Dr Owram sees this graduate supervision as opportunities to learn. "A good graduate student teaches you an awful lot," he points out. "Teaching and research go together. It's a two-way street."

Now Associate Vice-President (Academic), Dr Owram's administrative duties have included Associate Dean, Faculty of Arts; Acting Chair of the History Department; Chair of Graduate Studies for the department; and membership on a plethora of committees and councils.



Kaplan Award recipient Doug Owram's abiding research interest is intellectual history—the history of ideas.

Parsons undergraduate teaching award winner in Education

Secondary Education teacher loves to teach and write

By Michael Robb

Secondary Education Professor Jim Parsons isn't trying to be boastful when he says he does two things well: teaching and writing. A lot of other people—including his colleagues and students—can attest to these claims.

Says one of his students: "In this world, we will meet only a few people that will influence and affect us for the rest of our lives. For me, Jim Parsons is one of those individuals. He invigorates and inspires."

He doesn't walk into his classes, however, with the deliberate intention to inspire. He believes it's important to model good behaviour but to avoid being a "Vince Lombardi" kind of taskmaster. He believes teachers need to work very hard to be successful. "It's an awesome responsibility to be a teacher," says the 47-year-old professor.

Dr Parsons has two governing principles. First, he's a Christian and "that makes a difference in the way I do things. And secondly, I have a saying that if you have to choose between having fun and not, always choose having fun."

It's a good thing Dr Parsons has fun writing. According to Ken Jacknicke, Chair of

Secondary Education, Dr Parsons is extremely well read and informed in a wide variety of subjects. "He makes a significant contribution to these fields through his research and writing and uses his knowledge to inform his teaching work with students."

Dr Parsons—a prolific writer—has written texts and resource materials that have been used in many schools, says Helen Ilott, the Faculty's Director of Clinical Services.

His most recent work, co-authored with colleague Larry Beauchamp, is entitled *Teaching from the Inside Out*. The book is based on the belief that the best way to organize and manage your classroom is to first organize and manage yourself. Those practices are being employed by social studies teachers across the province, the same teachers who were taught by Jim Parsons.

He spends a great deal of time in schools, advising student teachers and, more recently, coaching a girls basketball team which, incidentally, visited campus the day he received the award.

Dr Parsons admits he was surprised just how good he felt when told he had been selected for the award. He's hopeful it re-



Jim Parsons, Professor of Secondary Education

flects well on the department, his academic home for 19 years. And despite the climate inside and outside the University, he's maintained his love for the job. Moreover, says Dr Parsons, his students still come to class with vigour and enthusiasm, in spite of dire job prospects.

"Our students are getting better and working harder." Due, in no small measure, say students and colleagues, to their teacher and mentor, Jim Parsons.

SELECTION COMMITTEE FOR DEAN, FACULTY OF EXTENSION

A Selection Committee for Dean of the Faculty of Extension is being established.

The GFC Nominating Committee requires for this committee four (4) persons (Categories A1.0, A2.0, A3.0, B1.1, B1.2), or persons who are neither students nor employees of the University, elected by GFC. One (1) of the four persons elected by GFC shall be a Department Chair from outside the Faculty of Extension. For staff category definitions, see Section 5 of the GFC Policy Manual. In brief, the above-noted categories include full-time, continuing (tenure-track and soft-tenure-track) faculty, temporary and trust employees, and continuing support staff. If you have any questions regarding the categories of staff and/or eligibility to serve on this committee, contact V Pemberton-Piggott, Coordinator, GFC Nominating Committee, 2-5 University Hall, 492-1938.

If you wish to submit a nomination, please forward a letter of nomination and brief biographical sketch to Ms Pemberton-Piggott at the above-noted address by 3 April.

ALBERTA HERITAGE FOUNDATION FOR MEDICAL RESEARCH

24 March, 4 pm

Reginald K Storms, Department of Biology, Concordia University, "Sequencing and Functional Analysis of the *Saccharomyces cerevisiae* Genome." M-145 Biological Sciences Centre.

28 March, 4 pm

Robert Parton, staff scientist, Cell Biology Program, European Molecular Biology Laboratory, Heidelberg, "Biogenesis and Internalization of Caveolae." Presented by Anatomy and Cell Biology. 5-10 Medical Sciences Building.

ANTHROPOLOGY

31 March, 3 pm

Leslie Gottesfeld, "On the Nature of Ethnobotanical Classification." 14-28 Tory Building.

BIOETHICS

6 April, 3:30 pm

Glenn Griener, "Feeding and Futility: The Growing Acceptance of Euthanasia." 2-27 Bioethics Centre.

CATHOLIC CAMPUS MINISTRY

28 March, 7:30 pm

Jeff Thompson, "Understanding Catholicism Today—Celebrating the Lord's Supper." Newman Centre, St Joseph's College.

CHEMICAL ENGINEERING

30 March, 3:30 pm

Yves Lacombe, "TREF and GPC Characterization of Ethylene/1-Butene Copolymers Produced at Various 1-Butene and Hydrogen Pressures." 342 Chemical-Mineral Engineering Building.

COMPARATIVE ANIMAL PHYSIOLOGY AND CELL BIOLOGY

28 March, 12:30 pm

Douglas Allan, "Development of the Neuromuscular System Controlling Breathing in Fetal Rats." G-114 Biological Sciences Centre.

DENTISTRY

1 April, 8:30 am

Sue Herring, AHFMR Visiting Lecturer, Department of Orthodontics, University of Washington, Seattle, "Jaw Muscles: How They Strain the Skull." 4069 Dentistry-Pharmacy Centre.

EIGHTEENTH CENTURY STUDIES GROUP

29 March, 4 pm

Michael Snyder, "Sir Joseph Banks and Biotechnics British Ecological Imperial Expansion." Senate Chamber, Arts Building.

ENGLISH

27 March, 3 pm

Cyril Dabydeen, novelist, short story writer and Ottawa's poet laureate, will read from his works. L-3 Humanities Centre.

28 March, noon

Research Seminars in Early Women. Rhonda Batchelor, "Margaret Oliphant and the Periodical Press." Senate Chamber, Arts Building.

30 March, 12:30 pm

JoAnn Menezes, PhD (Emory), postdoctoral fellow, University of Maine, "Cultural Memory and Narrative Painting: Betsy Ross and the Fabric(ation) of the American Flag." L-3 Humanities Centre.

4 April, 3:30 pm

David Albahari, internationally acclaimed writer from Yugoslavia, and Ven Begamudré, prize-winning writer and broadcaster from Regina, will read from their works. L-3 Humanities Centre.



ENTOMOLOGY

30 March, 4 pm

Scott Digweed, "The Assembly of a Community: Interactions Involving Introduced Birch Leafminers." TB-W1 Tory Breezeway.

GEOGRAPHY

24 March, 3 pm

Tom Johnston, Department of Geography, University of Lethbridge, "Extending the Boundaries of Climate Change Research: Modelling the Farm Level Decision-Making Complex." 3-36 Tory Building.

31 March, 3 pm

Peter Crown and Tim Martin, "The Spatial Information System and Laboratory." 3-36 Tory Building.

GEOLOGY

28 March, 11 am

EM Moores, University of California, Davis, 1994 GAC Medallist Lecture, "SWEAT, Snake Rocks, and the Dawn of the Phanerozoic." 1-04 Earth Sciences Building.

HISTORY AND CLASSICS, POLITICAL SCIENCE, SLAVIC AND EAST EUROPEAN STUDIES

29 March, 3 pm

John B Dunlop, senior fellow, Hoover Institution, Stanford University, "Solzhenitsyn's Return to Russia." 1-05 Business Building.

4 April, 3 pm

Professor Dunlop, "Russia and the Crisis in Chechnya." 10-4 Tory Building.

HUMAN ECOLOGY

28 March, 3:30 pm

Issues in the North. Eleanor Wein, "The Sanikiluaq Traditional Food Study: The Importance of Fish and Wildlife in the Contemporary Diet of the Belcher Island Inuit." Main Floor Chapel, St Stephen's College.

30 March, 1 pm

Kay McFadyen, "Second Hand Clothing Organizations: A Business Profile." 131 Home Economics Building.

4 April, 12:30 pm

Dianne Kieren, "Choices and Changes: Women and Midlife." 357 Assiniboia Hall.

LAW - WEIR MEMORIAL LECTURE

5 April, noon

Roderick MacDonald, McGill, "The False Promise of Alternative Dispute Resolution." Faculty Lounge, 4th Floor, Law Centre.

LIMNOLOGY AND FISHERIES DISCUSSION GROUP

30 March, 12:35 pm

Judy Evans, "Phytoplankton Nutrient Limitation in Alberta Saline Lakes: Exploring the Paradox of Low Chlorophyll-A Levels in High Phosphorus Systems." G-116 Biological Sciences Centre.

MUSIC

28 March, 3:30 pm

Tommy Banks, "The Economics of Culture: The Case of the Music Industry." 2-34 Fine Arts Building.

PERINATAL RESEARCH CENTRE

28 March, noon

Victor Rafuse, postdoctoral fellow, Department of Physiology, Case Western University, "Expression and Regulation of Cell Adhesion Molecules During Myogenesis." 2J4.02 Mackenzie Health Sciences Centre.

PETER JACYK CENTRE FOR UKRAINIAN HISTORICAL RESEARCH

5 April, 3:30 pm

Mykhailo Molchanov, "The Residual Totalitarian Mentality and the Transition to Democracy in Ukraine." 352 Athabasca Hall.

PHARMACOLOGY

27 March, 4 pm

G Glenn Stanley, Departments of Psychology and Neuroscience, University of California, Riverside, "Glutamate and Neuropeptide Y in Hypothalamic Stimulation of Eating Behaviour." 207 Heritage Medical Research Centre.

PHILOSOPHY

30 March, 3:30 pm

Michael Hymers, "Internal Relations and Analyticity: Wittgenstein and Quine." 4-29 Humanities Centre.

RENEWABLE RESOURCES

29 March, noon

Cliff White, "The Evil Seven: Managing the Cumulative Effect in Banff National Park." 849 General Services Building.

30 March, 12:30 pm

Connie Kohut, "Distribution and Forms of Mercury in Soils at the Turner Valley Gas Plant." 2-36 Earth Sciences Building.

THE ROYAL SOCIETY OF CANADA

27 March, 2 pm

Canada-Ukraine Exchange Lecture Series 1995. Anatolij G Zahorodnij, Ukrainian National Academy of Sciences, Deputy Director of the Bogolyubov Institute for Theo-

retical Physics, Kiev, "Electromagnetic Fluctuations in Dusty Plasmas. Formation of Dusty Crystals." V-129 V-Wing.

RURAL ECONOMY

27 March, 3:15 pm

Laura Graham, "Economic Approaches to the Variation of Small Wildlife Resources in the Communal Areas of Zimbabwe." 519 General Services Building.

SOCIETY OF EDMONTON DEMOGRAPHERS

29 March, noon

Graham Lowe, "Future Work Trends in Canada." Heritage Room, Main Floor, City Hall.

SOCIOLOGY

31 March, noon

Erin van Brunschot and Cathie Krull, "Problematising Prostitution." 5-15 Tory Building.

U OF A SHASTRI COMMITTEE

24 March, 3 pm

David W Atkinson, professor of Religious Studies and English, and dean of the College of Arts and Sciences, University of Saskatchewan, "Tagore and Gandhi: Two Voices for Modern India." TB-W2 Tory Breezeway.

WOMEN'S STUDIES

28 March, 3:45 pm

Forum with the candidate for the Chair, Claudine Potvin. Senate Chamber, Arts Building.

ZOOLOGY

31 March, 3:30 pm

Susan P Harrison, Division of Environmental Studies, University of California, Davis, "Dynamics of Spatially-Structured Butterfly Populations and the Maintenance of Local Diversity." M-149 Biological Sciences Centre.

Denotes environmentally-related seminars/events.

CENTRE FOR CONSTITUTIONAL STUDIES

presents The Seventh McDonald Lecture
in Constitutional Studies

"The Constitution of Dying: Exploring the Right to Medically-Assisted Suicide"

by

GEORGE P. FLETCHER

Cardozo Professor of Jurisprudence
Columbia University

Thursday, March 30, 1995
7:30 p.m.

Room 231/237
Faculty of Law
University of Alberta
Edmonton, Alberta

Reception to follow in Faculty Lounge, 4th Floor, Law Centre.

Professor Fletcher is a distinguished scholar of criminal law, legal theory and constitutional law. He is the author of *With Justice for Some: Victims Rights in Criminal Trials* (1994), *Loyalty: An Essay on the Morality of Relationships* (1992) and *Rethinking Criminal Law* (1978).

For further information call 492-5681.

FOCUS ON Faculties Medicine

Twelfth part of a 16-part series on the University of Alberta's Faculties.
Next: Faculty of Graduate Studies and Research

FACULTY FACTS

Leadership: Dean of Medicine, Lorne Tyrrell; Associate Dean, Faculty Affairs, Ruth Collins-Nakai; Associate Dean, Postgraduate Medical Education, George Goldsand; Associate Dean, Research, Joel Weiner; Associate Dean, Undergraduate Medical Education, Anil Walji

History: Established in 1913 and until 1922 conducted a three-year undergraduate medical program in the basic medical sciences; in 1923 a full program of clinical instruction began and the first Doctor of Medicine degrees were awarded in 1925

Students: Has about 294 graduate students enrolled, most of whom are in PhD programs; graduates slightly over 100 physicians per year; quota program; 450 enrolled in postgraduate medical education programs

Research funding: In 1993-94, received about \$48.5 million in research funding, up by about 8.2 percent over the previous year

Native health careers program a success story

First Inuk graduate expected to convocate this year

A record number of aboriginal students are enrolled in the Faculty of Medicine's MD program this year. "Our native health care careers program has been very successful," says Dean of Medicine Lorne Tyrrell.

"This is probably the most successful native medical education program in the country."

The program's first Inuk graduate, Danika Edmunds from Hopedale, Labrador, is expected to convocate at Spring Convocation ceremonies later this year. She is one of 12 aboriginal students enrolled in the Faculty's MD program this year.

The program is addressing the critical need for aboriginal physicians to serve in aboriginal communities. The ratio of physicians to individuals is about one to 600. The ratio for aboriginal people is about one aboriginal physician to 33,000, he points out.

Two positions a year are designated specifically for qualified aboriginal students.

At the crossroads of change in health and education

Dean Lorne Tyrrell confident Faculty of Medicine will get through tumultuous times

By Michael Robb

Albertans working in the fields of health and education are feeling somewhat beleaguered these days. It's understandable. But imagine what it's like working in both fields simultaneously.

Academic and support staff in the Faculty of Medicine know the feeling. They're attempting to cope with changes in both fields—at the same time. Dean Lorne Tyrrell says, "There's no doubt we're going through a difficult two years, but I think once we get through this restructuring and the province balances its budget, it will once again look at reinvesting in health and education."

The Dean predicts that other areas of the country will inevitably have to undergo the same kinds of reform this province is experiencing.

The provincial government and the University both realize it's absolutely essential, however, that the University maintain a strong Faculty of Medicine, the Dean says.

Despite tough times, Dr Tyrrell points out that the Faculty is in a pretty solid position. It's still able to recruit good people—this year alone it plans to hire 10-15 outstanding scientists whose primary focus will be research. Over the last five years, its students have ranked in the top three positions on national examinations. And almost half of the University's total research funding flows into Faculty researchers' hands.

"Unquestionably, from a research point of view the outstanding department in the Faculty is Biochemistry. It has been built up into international stature, and other departments have shown real research strengths," the Dean says, adding that the Faculty has 19 outstanding research groups.

It's an enviable position to be in, but the Dean and Associate Deans aren't resting on their laurels. "We're not going to shift our emphasis away from basic sciences research," says Associate Dean (Research) Joel Weiner. "If we did, we would plummet very quickly."

The Dean believes that the exemplary research funding record can be sustained. "The challenge is to keep the very best people."

Both Drs Weiner and Tyrrell say the Alberta Heritage Foundation for Medical Research has been a big factor in maintaining the excellence in the Faculties of Medicine in the two major universities. "It's helped us remain competitive and recruit outstanding scientists," Dr Tyrrell says.

Over the longer term, Dr Weiner says the Faculty wants to strengthen two areas where it has traditionally been weak: medical genetics and evaluative medicine. The Faculty fell behind by not having a Department of Medical

Genetics, he says, but it is determined to accelerate recruitment and establish a good department. An infusion of capital dollars will be necessary for the establishment of the new Department.

Drs Tyrrell and Weiner are optimistic the Faculty of Dentistry can be successfully integrated into the Faculty of Medicine. "There should be a lot of synergy in teaching and research between the two," says Dr Tyrrell. Adds Dr Weiner, the merger should be completed by



Lorne Tyrrell

July '96, but no one is under any illusions: recruiting good researchers is going to take time.

Job prospects for graduates look bright. Alberta Health predicts the province will need about 210 physicians per year to replace retiring physicians. About 3.5 percent of the total 4,600 physicians retire or leave each year. The population increases by about one percent each

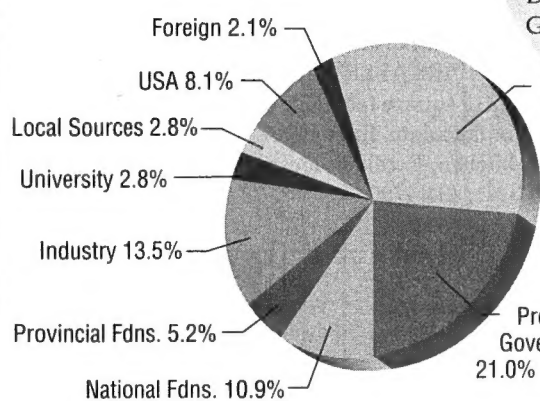
year. The U of A medical school graduates about 104 physicians per year, and the U of C graduates about 70 per year. "If we look right across Canada, I think all the Canadian medical schools produce no more doctors than we need within the system," Dr Tyrrell says. He's hopeful the Faculty's Rural Action Physician Program will encourage more of those physicians to practice in rural Alberta.

The quality of the education those graduating physicians receive has come under intense scrutiny. Anil Walji, Associate Dean of Undergraduate Medical Education, says changes are inevitable. And although the old maxim, "If it ain't broke, don't fix it," is hard to argue with, many teachers in the Faculty, and members of the Faculty's curriculum innovation committee, are anxious to introduce more effective teaching methodologies.

Dr Walji says there's a lot of evidence to suggest that if something is taught in a real-world, more integrative fashion, students will retain more of what is taught. Students, he says, can over time expect more tutorials, problem-based learning, small group learning and seminars. It doesn't mean the Faculty is throwing out the traditional lecture; it has its place, he says. It does mean, however, that a variety of different teaching strategies are going to be used.

"We're not going to be 100 percent didactic or 100 percent problem-based learning." Moreover, Dr Walji says the Faculty wants to expose its students to clinical settings sooner.

Funding 1993/94



Funding 1992/93 vs 1993/94

Source	1992/93 \$Million	1993/94 \$Million	%Change
Federal Government	\$14.5	\$16.32	+ 16.0
Provincial Government	10.97	10.24	- 6.0
National Foundations	5.20	5.31	+ 2.1
Provincial Foundations	3.15	2.52	- 20.0
Canadian Industry	2.94	6.58	+123.0
Local Sources	1.10	1.36	+ 23.0
University	1.70	1.35	- 21.0
USA	3.60	3.94	+ 9.4
Foreign	1.70	1.01	- 40.0
Total	\$44.8	\$48.5	+ 8.2

Major Funding 1993/94 by Agency

Agency	\$ Millions	Agency	\$ Millions
MRC	\$13.50	NCI	2.30
NSERC	1.74	HSFC	1.40
HWC	0.56	MDAC	0.20
SSHRC	0.33	ALA	0.13
AHFMR	9.20	Glaxo	1.40
ACB	1.88	Biomira	0.85
JDFI (USA)	0.90	Smith Kline	0.53
NIH	0.53	Ciba Geigy	0.49
Transtech	0.44	Miles	0.41
		Sandoz	0.37

Dean now on Capital Health Authority

The Capital Health Authority has added four new nonvoting participants to its Board, one of whom is the Faculty of Medicine's Dean, Lorne Tyrrell.

Dr Tyrrell will represent the University on the Board.

Executive assistant to the Authority board, Ed Chown, explained that the University representative will be able to attend meetings and participate in discussions.

"The new Authority has presented some challenges," Dr Tyrrell says. "One of those challenges has been to try to get some representation on the Capital Health Authority."

"I wish it had happened five or six months ago, so that we could have had more opportunity to be part of the planning process that went into the development of the plans for this region."

People have to understand that there are two regions that have major medical schools, and the two business plans are quite different, the Dean explained. "The business plan in Calgary calls for the clo-

sure of several major hospitals and the concentration of a lot of their clinical services and research at the Foothills site. The business plan here calls for tertiary referral hospitals to be the University, Glenrose and Royal Alex Hospitals, and to try to take the low-intensity work out to the community health network in a major way.

"This is leading to a shifting of programs [obstetrics is slated for a move out of the U of A Hospitals] that is presenting a challenge for this Faculty and departments involved." The Perinatal Research Centre at the U of A has been dependent on the presence of obstetrics at the Hospitals. "It's going to be a challenge to keep our Perinatal Research Centre strong and viable," he says. "We'll work over the next couple of months to find solutions to the problems and possible opportunities that the move of obstetrics will present."

The Capital Health Authority was established in June 1994 to govern health services across the capital region.



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FILMS

GERMANIC LANGUAGES

4 April, 7:15 pm
"Der Nebbich" (1965) German with English subtitles. 141 Arts Building.

MUSIC

DEPARTMENT OF MUSIC

24 March, 8 pm
University of Alberta Madrigal Singers Spring Concert. Leonard Ratzlaff, conductor. Featuring Poulence (*Un Soir de Neige*), Ligeti (*Night and Morning*), Vivier (*Jesus, embarme Dich*), and works by Monteverdi, Schumann and Brahms. Admission: \$5 adults \$3 students/seniors. Convocation Hall.

29 March, 12:10 pm
Noon-Hour Organ Recital featuring Brennan Szafron, Bachelor of Music student.

29 March, 8 pm
The University of Alberta Symphonic Wind Ensemble. Fordyce Pier, director. Program will include works by Gregson, Gould and Benson. Admission: \$5 adults, \$3 students and seniors. Convocation Hall.

1 April, 8 pm
Northern Alberta Honor Band—Fordyce Pier, conductor. Convocation Hall.
3 April, 8 pm
Master of Music Choral Recital—Joy-Anne Murphy, conductor. Convocation Hall.

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JULY/AUGUST - Professor's house. Old Strathcona. No pets, no smoking. \$750/month plus utilities. 432-7864.

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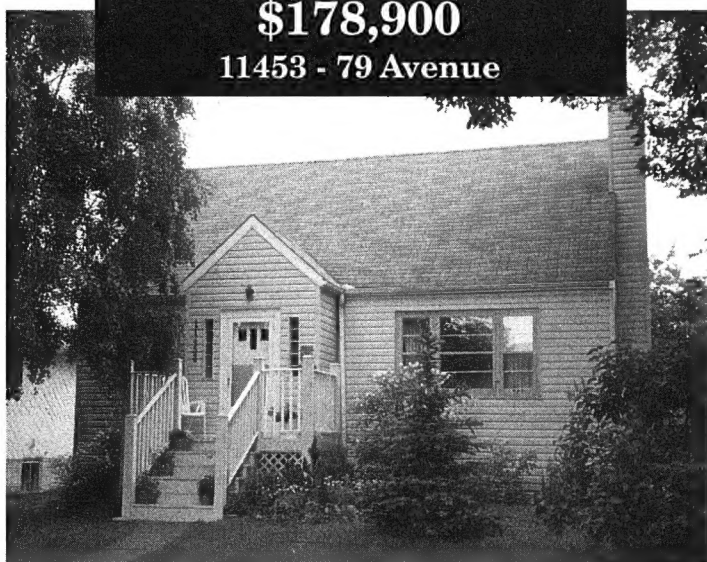
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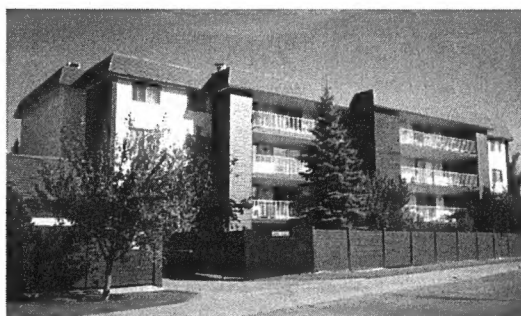
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